

August Meetings

Dates & Times:

Matinee, 2:30, Wednesday, August 11

Evenings, 8:00 p.m., Wednesday and Thursday, August 11 and 12

Place:

May Treat Morrison Auditorium

Speaker:

Dr. Chauncey D. Leake

Subject:

Standards of Measurement, Nursery Rhymes and Centennials

As early as 1700 B. C., Egyptian physicians understood the need for a standard of measurement in prescribing potentially toxic drugs for their patients. The question of the kind of measuring system used by these ancient doctors lead Dr. Chauncey D. Leake into the fascinating study of the history and philosophy of measurements, and the unlikely association with nursery rhymes.

Dr. Leake's lecture, without the use of visual aids, explores man's efforts to relate to his environment by establishing standards in the measurement of time, space and volume. This broad topic covers, among other subjects, the measurement of the original meter — one ten-millionth of the distance from the poles to the equator; the metric system's struggle in the United States; and the relationship between the legendary Jack and Jill, an overtaxed population and the resulting depreciation of standards.

A pharmacologist, Dr. Leake is a fellow of the California Academy of Sciences and the American Association for the Advancement of Science. He is the author of seventeen books and some six-hundred publications relating to biomedical science, philosophy and education.

Your membership card will admit you to this unusual and interesting program. You may enter through Cowell Hall or the new entrance off Middle Drive, through the Wattis Hall of Man. At the matinee performance you may be asked to present your card once again at the auditorium door.

The new entrance galleries to the Wattis Hall of Man create a beautiful, sunny showcase for several temporary exhibits.

The DANCE MASKS OF MEXICO is a superb collection of masks, used at religious ceremonies and festivals, mounted on colorful life-size murals. The collection, which belongs to Ingeniero Victor Jose Moya, is on loan through the cooperation of the Mexican government. It can be seen in the Patricia Price Peterson Gallery.

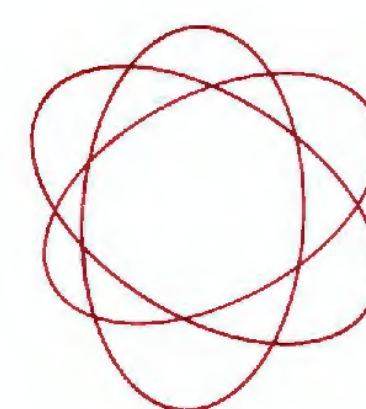
The L.K. LAND COLLECTION OF PRE-COLUMBIAN ART includes pottery and figurines from Mexico, Central and South America, and burial objects from the shaft tombs of western Mexico. In Atholl McBean Gallery.

Also found in the entrance area is the first of a changing exhibit of the Academy stamp collection, and pre-Columbian domestic artifacts from Guatemala, which are part of the Elgueta Collection, rescued after the earthquake and fire of 1906.

NEW GUINEA LOWLANDS—While the Wattis Hall of Man exhibit tells the story of the New Guinea Highlanders, this exhibit of ornately carved and decorated artifacts for ceremonial uses comes from the lowland region of the Sepik River Basin. In Hohfeld Gallery.

Special Exhibits

★ Morrison Planetarium



Laserium

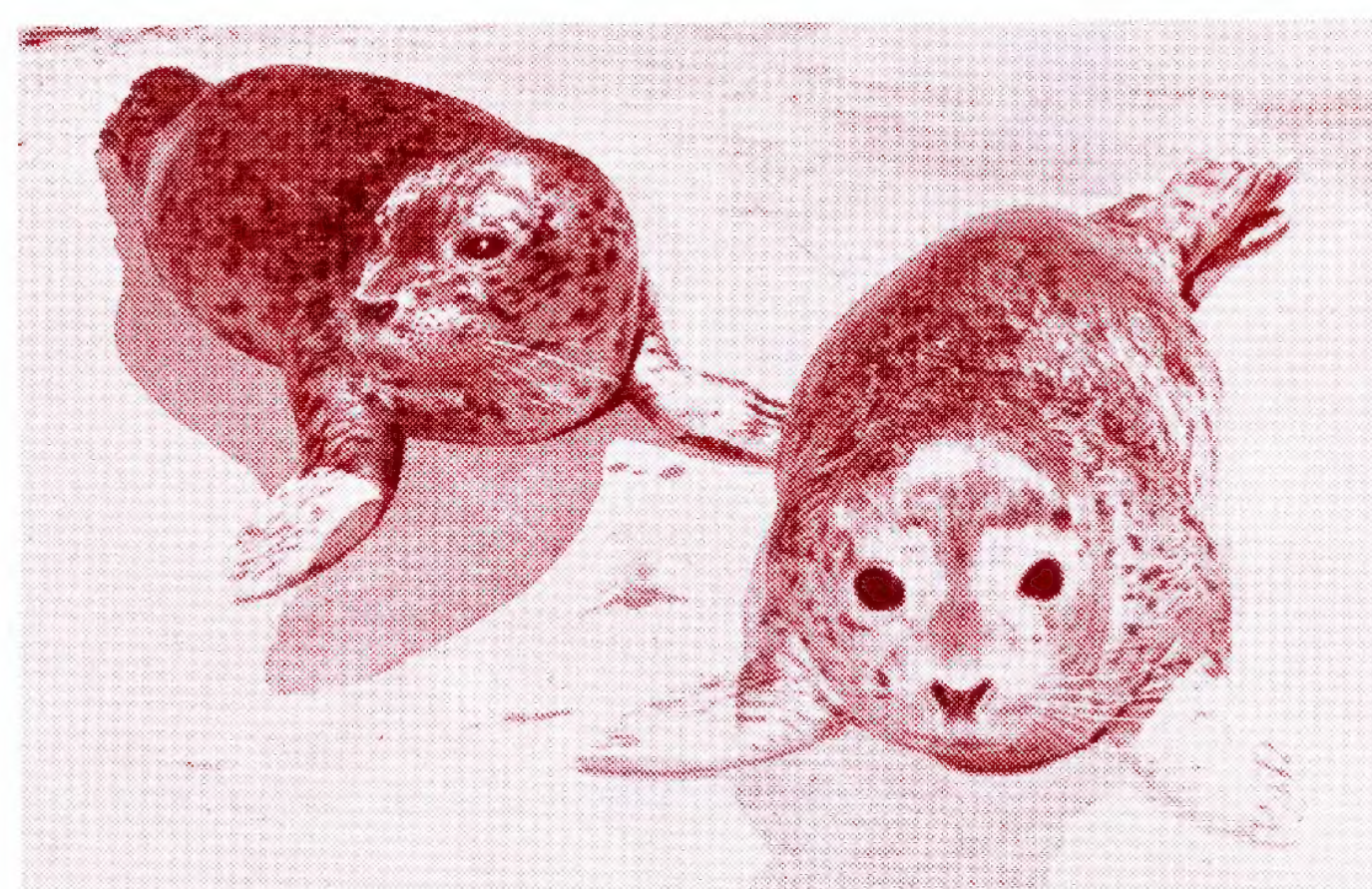
In the "200 REVOLUTIONS" of the earth around the sun since 1776, the United States has made tremendous strides in the field of astronomy. The current sky show in the Theatre of the Stars explores some of the famous American names in astronomy and describes advancement from the development of optical telescopes to the sophisticated use of Radio and X- and Gamma Ray astronomy. This bicentennial program is presented daily at 12:30, 2:00 and 3:30, with evening shows on Wednesday and Thursday at 8:00. Admission is \$1.50 for adults and 50 cents for those 17 and under.

The fantastic combination of music and pure 3-D color images is Laserium. See it any day, except Wednesday and Thursday, at 5:00, 7:30 and 9:00 p.m. Extra shows on Friday and Saturday evenings at 10:30. Admission is \$2.50 for all others. Tickets are available through all Bay Area Seating Service outlets. Remaining tickets go on sale at the planetarium box-office one-half hour before show time. Dial T-E-L-E-T-I-X for further information. Members are reminded that this is not a planetarium show, nor are your membership tickets or passes usable for this attraction.

Inside the Academy

Recent guests at the Steinhart Aquarium were 4 three-month old harbor seals, who attended a special training school under the watchful eyes of Senior Aquarist, Bill Rohrs, and Senior Aquatic Biologist, Tom Tucker.

The pups were found on northern California beaches and were brought to Steinhart to "teach" them to fend for themselves before being released to their natural habitat. They spent one blissful day romping in the dolphin tank and were then isolated in a private area where they could practice new feeding habits . . . eating live fish.



Over the next few months, several changes will be made in Mineral Hall. The most obvious addition to date is the 1,300 pound, 4½ foot quartz crystal group from Hot Springs, Arkansas. This excellent specimen is located at the entrance to Mineral Hall.

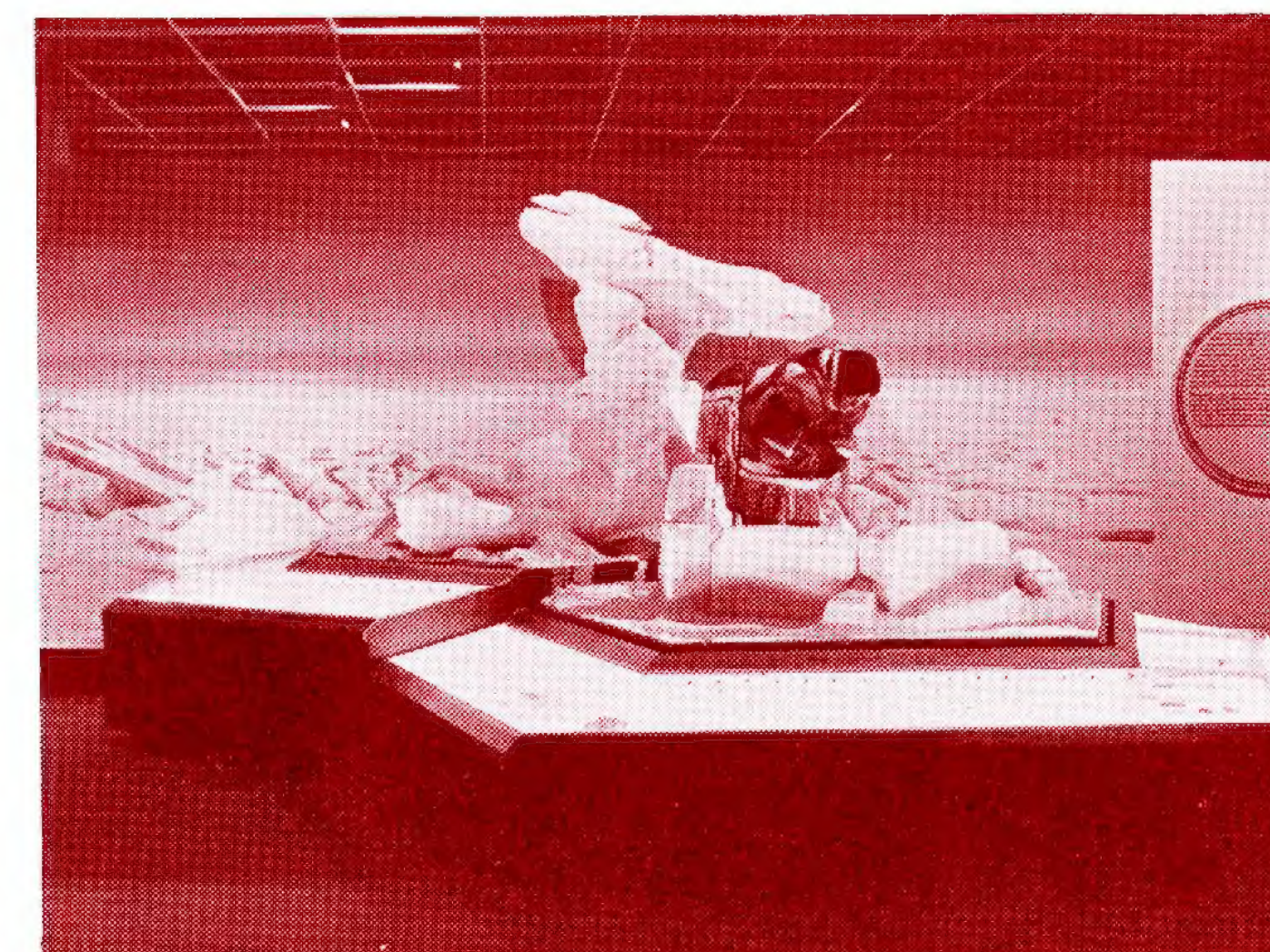
A new display case, opposite the fluorescent mineral collection, contains changing exhibits of recent donations to the rapidly growing gem and mineral collections of the Academy.

It was announced in several Newsletters that a dues increase would go into effect as of July 1, 1976. Those of you who hold "Family Memberships" and are renewing at this time, will find that your new membership card reads "Regular Membership". It is no mistake . . . there is no longer a "Family Membership" category; the "Regular Membership" category includes family members residing at the same address and gives the same benefits as before.



After months of planning, preparation, and last minute window washing, the beautiful Wattis Hall of Man opened to an interested and delighted membership. The preview night of July 1, saw hundreds of people . . . big and small, young and old . . . studying the unique presentation of new exhibits and enjoying the musical performances in the activities area.

Volunteers are needed for the new information desk in the Wattis Hall of Man. Interesting surroundings, pleasant work and short hours! If you are interested in such an assignment, please call Frances Reed at 221-4214, Ext. 63, for details.



Pictured above is one of the permanent guests in the Wattis Hall of Man — a Netsilik Eskimo hunter. This exhibit describes human adaptation in one of the harshest regions of the world; an icy desert where famine is familiar.

ROGUE RIVER RAFTING: September 1—6.

Our original dates for the Rogue, August 20-25, have filled, and we have added another trip on September 1—6 to accommodate more people. We will drive together in maxivans to Grants Pass on September 1, stay overnight in a motel there, and meet our boatmen the next morning. September 2—5 will be spent rafting down the warm water Rogue, which flows through a lovely lush canyon, and camping under the stars. The Rogue has spectacular rapids interspersed with calm swimming holes. After another overnight in Grants Pass, we will return to San Francisco on September 6. The cost of \$260 per person includes all expenses except meals enroute and in Grants Pass. Limited to 20, age 7 and up. Deposit: \$50 per person to the Travel Office.

Education & Travel Notes



MT. LASSEN VOLCANIC PARK:

September 9–12; \$10 per person

Join us for a Mt. Lassen camping trip September 9–12, taking advantage of the Admissions Day holiday. Mark Ghiorso will lead us up Cinder Cone and Lassen Peak, and on hikes into Chaos Crags, Bumpass Hell and the Lava Tubes, investigating all the while the volcanic history of the Park. Everyone will camp in group campsites, providing their own transportation, gear and food. We are limited to 15 cars.

FOSSIL/GEM HUNT:

September 17–19

We have put together a 2½ day trip to nearby Nevada to search for fossils and gems. Stops include a fossil fish locality, a hill composed mainly of fossil snails and clams, and an overnight wilderness campout at an abandoned mine where we'll find garnets, quartz and more. All participants will provide their own transportation and food. We'll have an orientation in Carson City on Friday, 8–10 p.m., a car caravan on Saturday and Sunday, and be home early evening on Sunday, September 19. Limited to 15 cars, and to be fair to members in outlying areas, we can only accept reservations postmarked August 15 or later. \$10 per person, to the Travel Office.

LAVA BEDS NATIONAL MONUMENT/GLASS MOUNTAIN:

September 17–20

At presstime we still have spaces on our delightful four-day, charter bus trip scheduled for Lava Beds National Monument over September 17–20. Besides the Lava Beds we will see Mount Shasta, Glass Mountain, Burney Falls, ice caves, cinder cones — a long geological weekend. Charles Chesterman will guide. We will leave from the Academy at 8 a.m. on September 17 and return in the early evening of September 20, spending three nights in motels. Included are transportation, three nights lodging and four box lunches. Cost: \$110 per person, \$20 single supplement. Deposits of \$50 are being accepted through the Travel Office.

LAGOONS AND ISLANDS OF THE WEST COAST OF BAJA CALIFORNIA:

January 19–26, 1977

This week's excursion to the coast and islands of Baja California has become an annual event of the Academy's travel program. Aboard the refitted Qualifier 105 the traveler observes the abundant marine life of the coast highlighted by the California gray whale, migratory shorebirds and waterfowl. There will be opportunities to study plant life on Todos Santos, San Benitos, Cedros and San Martin Islands. The instructor-leaders are experts in specific fields of natural history. Limited to 30. Cost: Approximately \$575 from San Diego. For further information contact Nature Expeditions International, P.O. Box 1173, Los Altos, California 94022. Telephone: (415) 941-2910.

AUTUMN NATURAL HISTORY IN YOSEMITE:

September 30–October 3.

Autumn is the time to experience the beauty (after the summer tourist season) of extraordinary Yosemite National Park while studying the natural history of the region. Short day hikes and evening lectures cover a variety of topics, including the ecology of the plants and animals, geology and human history of Yosemite. Instruction and lodging will be provided by the Yosemite Institute, a non-profit teaching organization headquartered in the park. Lodging at Crane Flat Campus dormitory — one dorm for men, one for women; meals from Friday morning through Sunday lunch — mess hall style. The \$70/person fee includes meals, lodging and instruction, but no transportation. Ask for a fuller class description through the Education Office of the Academy; \$25 deposit will hold your spot. Limited to 40, families welcome.

New Members of the Academy

Regular Members

Miss Natalie O. Atkinson
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Mr. William Bault
Miss Marie Berman
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Mr. Pat Botts
Mr. E.H. Von Pabst Buckley
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Miss Helena S. Frank
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Miss Stephanie Gilliam
Miss Corrine R. Gorham
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Miss Denise Henning
Mrs. Graeme K. Howard
Dr. Lisbeth M. Kraft
Miss Kristina Huhn
Mr. Ron Iyemura
Mr. James Janusz
Miss Madelyn Grace Jason
Mr. Eric E. Julien
Demetra Paras & Eugene Kopecky
Miss Carla Langdon
Mr. J. R. Langley
Mr. Richard Lewis
Mrs. Muriel D. Loew
Miss Carole A. Lopez
Mr. Raymond W. Magill
Miss Roberta Sue Miller
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Mr. Lovell McGrath
Mr. Mike McMahan
Miss Cheryl Pape
Mr. William D. Parenti
Mr. James C. Parson
Mrs. Marilyn J. Pullen
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Mrs. G. Roberts
Mr. & Mrs. Raymond Rodriguez
Mr. Richard Ryerson
Mr. Harry Saporta
Mr. Dennis V. Simmers
Dr. Richard C. Simmonds
Mrs. Frank M. Sink
Dr. C.I. Skelley
Miss Nicki Smith
Miss Pauline F. Smith
Miss Lise Stern
Tolliver's Books
Miss Virginia R. Tuechert
Miss Tammy Van Upp
Miss Mae Varni
Miss Linda Vista
Miss Brenda L. Wagner

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Mr. & Mrs. Hugh Allison
Mr. Lloyd Baird
Dr. & Mrs. Joseph S. Barrera
Mr. & Mrs. William Berg
Mr. Richard Berry
Mr. Jerry Britton

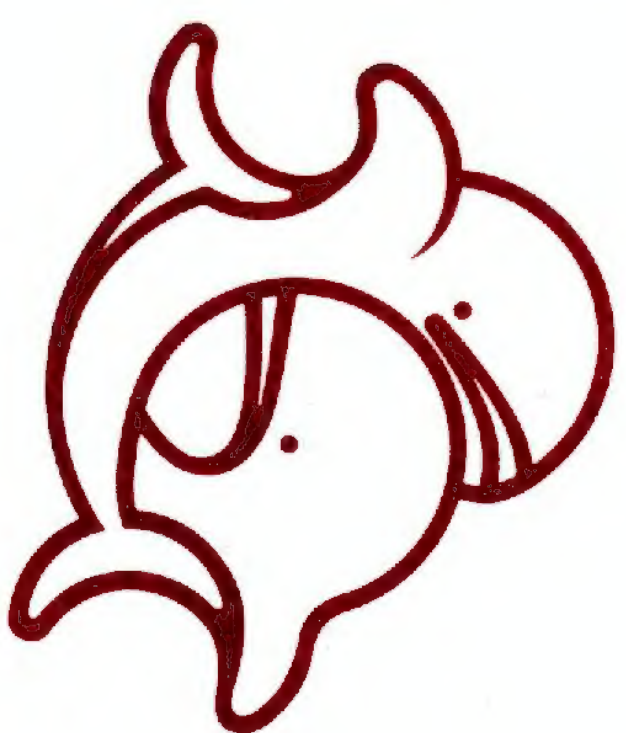
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